Application No. 10/553,108 Docket No.: 20241/0203481-US0

Amendment dated May 1, 2009 Reply to Office Action of January 7, 2009

AMENDMENTS TO THE CLAIMS

The following listing of the claims replaces all prior versions of the claims presented in the application.

Claim 1 (Currently amended): A compound represented by formula (1):

wherein.

R1 represents a hydrogen atom or a C₁₋₆ alkyl group which may be is unsubstituted or substituted;[[,]]

A represents an imidazolyl group or a pyrazolyl group represented by the following formulae:

wherein,

R2 and R3 represent a hydrogen atom or a C₁₋₆ alkyl group which may be is unsubstituted or substituted by G1,

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R4 represents a hydrogen atom or a C₁₋₆ alkyl group which may be is unsubstituted or

substituted by G1, a C1-6 alkylcarbonyl group which may be is unsubstituted or substituted by G1, or

a benzovl group which may be is unsubstituted or substituted by G1,

G1 represents a cyano group, a formyl group, a hydroxyl group, an amino group, a

dimethlyamino group or a halogen atom,

n represents 0 or an integer of 1 to 3,

p represents 0 or an integer of 1 or 2, and

R2 and R3 may be identical to each other, or different from each other, when n and p are 2

or more;[[,]]

B represents a group represented by the following formula:

wherein,

R5 and R6 each independently represents a hydrogen atom, a cyano group, a hydroxyl

group, a halogen atom, a C1-6 alkyl group, a C1-6 alkoxy group, a C2-6 alkenyl group, a C2-6 alkynyl

group, a C2-6 alkenyloxy group, a C2-6 alkynloxy group, a C1-6 acyloxy group, or a C3-6 cycloalkyl

group, or a phenyl group which may have is unsubstituted or substituted by a substituent nitro group, a halogen atom, a C₁₋₆ alkyl group, a C₁₋₆ alkoxy group, or a C₁₋₆ haloalkyl group,

k represents 0 or an integer of 1 to 15, and

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R5 and R6 may be identical to each other, or different from each other, when k is 2 or more;[[,]] and

Z represents a group represented by the following formula (A), (B) or (C):

wherein

* represents an asymmetric carbon atom,

X1 represents an oxygen atom or a sulfur atom,

R7 to R17 each independently represents a hydrogen atom or a C₁₋₆ alkyl group, and chroman-2-yl-group which is substituted by G2, a 2,3-dihydrobenzofuran-2-yl-group which is substituted by G2, a thiochroman-2-yl-group which is substituted by G2, a 2,3-dihydrobenzothiophene-2-yl-group which is substituted by G2, or a 1,3-benzoxathiol-2-yl-group which is substituted by G2,

G1 represents a cyano group, a formyl group, a hydroxyl group, an amino group, a dimethylamino group, or a halogen atom,

G2 is represented by the following formula: NHR [[(]]wherein R represents a hydrogen atom, a C₁₋₆ alkylcarbonyl group, or a benzoyl group which may have is unsubstituted or substituted

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by a substituent nitro group, a halogen atom, a $C_{1.6}$ alkyl group, a $C_{1.6}$ alkoxy group, or a $C_{1.6}$ haloalkyl group,

or a pharmaceutically acceptable salt thereof.

Claim 2 (Canceled)

Claim 3 (Currently amended): A compound or pharmaceutically acceptable salt according to claim 1, wherein A is 1-imidazolyl or 1-H-pyrazole-5-yl which is substituted at the fourth position on the <u>phenyl group benzene ring</u>.

Claim 4 (Canceled)

Claim 5 (Currently amended): An antioxidant comprising as its active ingredient at least one compound represented by formula (1):

$$\begin{array}{c}
A \\
N - CO - B - Z
\end{array}$$
(1)

[[(]]wherein

R1 represents a hydrogen atom or a C_{1-0} alkyl group which may be is unsubstituted or substituted,

A represents an imidazolyl group or a pyrazolyl group represented by the following formulae:

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N (R2) n N N N (R3) p

[[(]]wherein

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R2 and R3 represent a hydrogen atom or a C₁₋₆ alkyl group which may be is unsubstituted or substituted by G1,

R4 represents a hydrogen atom or a C₁₋₆ alkyl group which may-be is unsubstituted or substituted by G1, a C₁₋₆ alkylcarbonyl group which may-be is unsubstituted or substituted by G1, or a benzoyl group which may-be is unsubstituted or substituted by G1,

G1 represents a cyano group, a formyl group, a hydroxyl group, an amino group, a dimethlyamino group or a halogen atom,

n represents 0 or an integer of 1 to 3,

p represents 0 or an integer of 1 or 2, and

R2 and R3 may be identical to each other, or different from each other, when n and p are 2 or more [[)]],

B represents a group represented by the following formula:

[[(]]wherein

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R5 and R6 each independently represents a hydrogen atom, a cyano group, a hydroxyl group, a halogen atom, a C₁₋₆ alkyl group, a C₁₋₆ alkoxy group, a C₂₋₆ alkenyl group, a C₂₋₆ alkynyl group, a C₂₋₆ alkenyloxy group, a C₂₋₆ alkynloxy group, a C₁₋₆ acyloxy group, or a C₃₋₆ cycloalkyl group, or a phenyl group which may have is unsubstituted or substituted by a substituent nitro group, a halogen atom, a C₁₋₆ alkyl group, a C₁₋₆ alkoxy group, or a C₁₋₆ haloalkyl group,

k represents 0 or an integer of 1 to 15, and

R5 and R6 may be identical to each other, or different from each other, when k is 2 or more [[)]], and

Z represents a chroman 2-yl group which is substituted by G2, a 2,3-dihydrobenzofuran 2-yl group which is substituted by G2, a thiochroman 2-yl group which is substituted by G2, a 2,3-dihydrobenzothiophene 2-yl group which is substituted by G2, or a 1,3-benzexathiol 2-yl group which is substituted by G2,

Gl represents a cyano group, a formyl group, a hydroxyl group, an amino group, a dimethylamino group, or a halogen atom a group represented by the following formula (A), (B) or (C):

wherein

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* represents an asymmetric carbon atom.

X1 represents an oxygen atom or a sulfur atom,

R7 to R17 each independently represents a hydrogen atom or a C₁₋₆ alkyl group, and

G2 is represented by the following formula: NHR [[(]] wherein R represents a hydrogen atom, a C_{1-6} alkylcarbonyl group, or a benzoyl group which may have is unsubstituted or substituted by a substitutent nitro group, a halogen atom, a C_{1-6} alkyl group, a C_{1-6} alkoxy group, or a C_{1-6} haloalkyl group [[(]]

or a pharmaceutically acceptable salt thereof.

Claims 6-12 (Canceled)

Claim 13 (Currently amended): A compound or pharmaceutically acceptable salt according to claim [[2]] 1, wherein A is 1-imidazolyl or 1-H-pyrazole-5-yl which is substituted at the fourth position on the phenyl group benzene ring.

Claim 14 (Previously presented): A compound or pharmaceutically acceptable salt according to claim 1, wherein R1 is a hydrogen atom, A is 4-(1H-pyrazole-5-yl), k is 0, and Z is represented by the following formula:

Claim 15 (New): A compound or pharmaceutically acceptable salt according to claim 1, wherein Z represents a group represented by the formula (A) or (B) wherein X1 represents an oxygen atom.

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Claim 16 (New): A compound or pharmaceutically acceptable salt according to claim 15, wherein A represents an imidazolyl group.

Claim 17 (New): A compound or pharmaceutically acceptable salt according to claim 15, wherein A represents a pyrazolyl group and Z represents a group represented by the formula (B).

Claim 18 (New): An antioxidant according to claim 5, wherein Z represents a group represented by the formula (A) or (B) wherein X1 represents an oxygen atom.

Claim 19 (New): An antioxidant according to claim 18, wherein A represents an imidazolyl group.

Claim 20 (New): An antioxidant according to claim 18, wherein A represents a pyrazolyl group and Z represents a group represented by the formula (B).

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